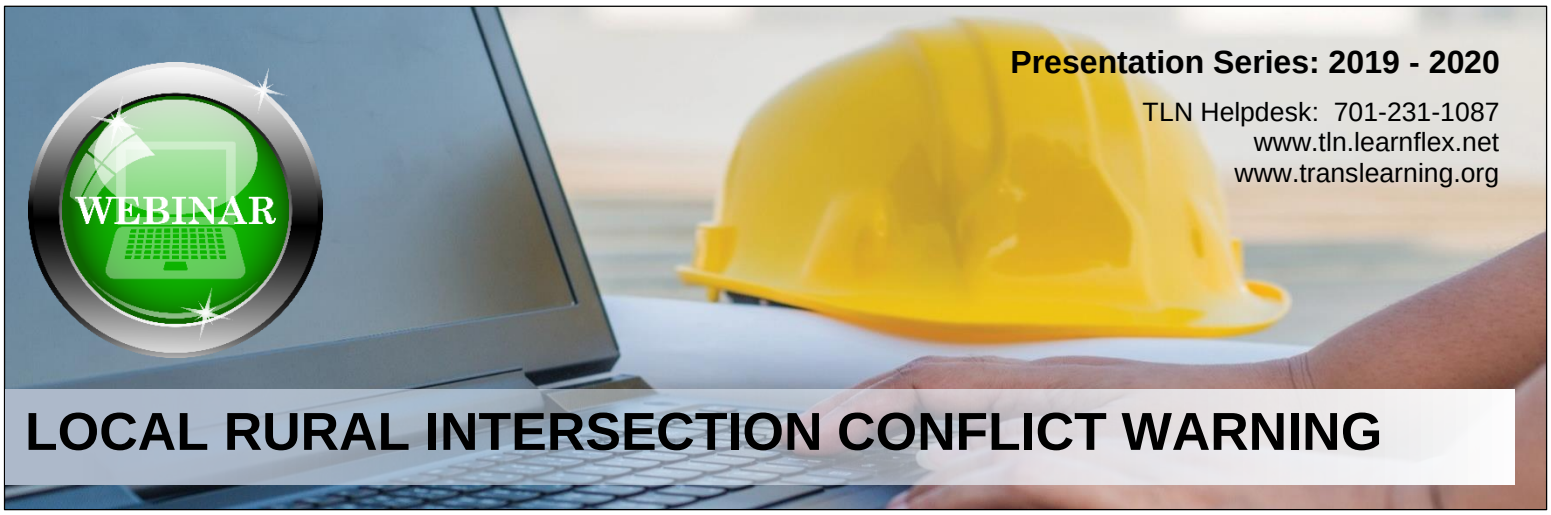

Presentation Series: 2019 - 2020

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LOCAL RURAL INTERSECTION CONFLICT WARNING

DATE: Tuesday, January 28, 2020
TIME: 10:00 – 11:30 AM CT *(9:00 – 10:30 AM MT)*

DELIVERY: Webinar
REGISTRATION DEADLINE: Thursday, January 23, 2020

DESCRIPTION: Intersections offer a challenge to transportation agencies because a third of fatal crashes occur at intersections. This is primarily due to drivers not recognizing an acceptable gap thereby resulting in a right-angle crash. Intersection Conflict Warning Systems (ICWS) offer an intermediate cost solution that can be more effective than lower-cost solutions in reducing fatal and severe injury crashes. However, ICWS can present special challenges to local agencies that are considering deployment. These challenges include cost, technical resources to operate/maintain the system, and utility locates of underground components.

This presentation will focus on an actual deployment of a low cost next generation prototype ICWS in St. Louis County, Minnesota. It will include discussion on proactively identifying at-risk intersections, expected safety benefits of ICWS, how to use available information to identify the type of design that best fits a local need, and long-term maintenance considerations. Also included will be an overview of the Minnesota Local Road Research Board's Cloud-Based Dynamic Warning System. The research project tested and validated a smartphone app that can alert drivers when travel speeds exceed the safe travel speeds on horizontal curves.

TARGET AUDIENCE: Design engineers, field engineers and inspectors, contractors, suppliers, and maintenance personnel.

PRESENTERS:

Jon Jackels, PE, PTOE, joined SRF's growing ITS practice division in 2014, following a 40-year career with the Minnesota Department of Transportation. His areas of expertise include: ITS standards, guidelines, and policies; ITS architecture; Systems engineering for development and deployment of ITS systems; Intelligent work zone systems; Systems evaluation and assessment; Traffic operations and safety; Rural traffic safety / dynamic conflict warning systems; Work zone traffic control; Transportation Management Plans; Pavement marking standards and materials; Innovative contract administration and procurement processes safety.

Victor Lund, PE, has worked as the traffic engineer for St. Louis County for 12 years. He received his B.S. degree from Michigan Technological University in Civil Engineering, and his M.S. degree from Iowa State University in Civil Engineering with an emphasis in Transportation Engineering. His background includes rural and urban highway safety, traffic operations, intersection design and intelligent transportation systems.

Brad Wentz, P.E., has a diverse background in transportation planning, design, maintenance and asset management; developed through his engineering positions with the North Dakota DOT, Becker County in Minnesota and UGPTI. He is UGPTI's Program Director for both the Advanced Traffic Analysis Center and Department of Transportation Support Center.

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